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Box Patent Application
ASSISTANT COMMISSIONER FOR PATENTS
Washington D.C., 20231

FORM PTO-1082
Case Docket No.: 51270.0245 664
Date: November 1, 2000
Express Mail Label No.: EL 669 015 978 US

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OLD
S-PA

Dear Sir:

Transmitted herewith for filing is the patent application of
Inventor(s): Minoru Saito, Kazunobu Fujiwara and Kazuhiko Honda all of Hamamatsu, Japan
For: OPTICAL DISK RECORDING APPARATUS HAVING PUSH-PULL SIGNAL
PROCESSING CIRCUIT, WOBBLE EXTRACTION CIRCUIT AND PRE-PIT
DETECTION CIRCUIT

1C922 U.S. PRO
09/10/00
11/01/00

Enclosed are:

- 9 Sheets of drawings (informal)
- An assignment of the invention to Yamaha Corporation.
- Declaration and Power of Attorney.
- Certified copy of Japanese Patent Application No. 314568/1999 filed November 5, 1999
from which priority is claimed under 35 U.S.C. §110. Will follow.

CALCULATION OF FEES						
	ITEM	NO. OF CLAIMS FILED MINUS BASE*	NO. OF CLAIMS OVER BASE	X SM/LG ENTITY FEE	\$ AMOUNT	FEE
A	TOTAL CLAIMS FEE	6 -20*=	0	x \$9 or x \$18	\$ 0	
B	INDEPENDENT CLAIMS FEE**	1 -3*=	0	x\$40 or x 80	\$0	
C	SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)					
D	MULTIPLE-DEPENDENT CLAIMS FEE					
E	BASIC FEE*					
F	TOTAL FILING FEE (ADD TOTALS FOR LINES C, D, AND E)					
G	ASSIGNMENT RECORDING FEE					
	**LIST INDEPENDENT CLAIMS (1)					

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 A check in the amount of \$710
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Recordation fee is enclosed.

= The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 03-3975. **A copy of this sheet is enclosed.**

Any filing fees under 37 CFR 1.16 for the presentation of extra claims.

Any patent application processing fees under 37 CFR 1.17.

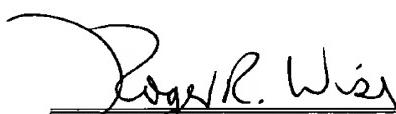
= The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 03-3975.

= Any patent application processing fees under 37 CFR 1.17.

= The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

= Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,



Roger R. Wise

Roger R. Wise

Reg. No. 31,204

Dated: November 1, 2000

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PATENT
51270.024 5664

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SAITO, et al.

Serial No.: NOT ASSIGNED

Filed: November 1, 2000

For: OPTICAL DICK RECORDING APPARATUS
HAVING PUSH-PULL SIGNAL PROCESSING CIRCUIT,
WOBBLE EXTRACTION CIRCUIT AND PRE-PIT
DETECTION CIRCUIT

Group No.: NOT ASSIGNED

Examiner: NOT ASSIGNED

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Date of Deposit: November 1, 2000

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

I hereby certify that

- Letter of transmittal
- Check in the amount of \$710 as filing fee.
- Patent application (22 pages of specification; 6 claims; 1 pages of abstract)
- 9 sheets of informal drawings
- Declaration/Power of Attorney
- Executed assignment, with Recordation Cover Letter and check in amount of \$40
- Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above and are addressed to:

Box Patent Application
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November 1, 2000

Date of Deposit

Paula Dunn
Paula Dunn